

# GENERAL PUMP & EQUIPMENT CO., INC.

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## OPERATING INSTRUCTIONS FOR AIR-POWERED UHP SERIES UHP-AR5,000 ~ UHP-AR6000 ~ UHP-AR8,000 ~ UHPAR10,000

### UNIT SPECIFICATIONS:

UHP-AR5,000	0.5 GPM	5,000 PSI MAXIMUM
UHP-AR6,000	0.5 GPM	6,000 PSI MAXIMUM
UHP-AR8,000	0.3 GPM	8,000 PSI MAXIMUM
UHP-AR10,000	0.2 GPM	10,000 PSI MAXIMUM

### OVERVIEW:

The UHP Series Pumps are available in various pressure ranges and several configurations. These instructions will deal with the set-up and operation procedures for the UHP Series. The UHP Series Pumps are designed to create pressure through an air-driven water reciprocating pump to desired test pressures.

### SET-UP:

1. Make sure the air and water ball valves are in the closed position.
2. Attach pre-regulated compressed shop air to the ball valve (A) connection. **Caution!!!** Air must be pre-regulated to no more than 150 PSI before connecting to the pump.
3. Attach water supply to the garden hose connection (H).
4. Fill lubricator with 20 weight non-detergent oil. The lubricator should be adjusted so that one drop of oil falls in the sight glass for every twenty (20) strokes of the pump.

### OPERATION:

1. Attach the component to be tested to the high pressure outlet connection. The item being tested must be pre-filled with water prior to attachment.
2. Open the high pressure bleed valve (N).
3. Open the water control (H).
4. Once the air has been bled from the item being tested, close the high pressure bleed valve (N).
5. Slowly open the air control valve (A), while monitoring the pressure gage (L) until the desired test pressure has been reached. **Caution!!!** DO NOT EXCEED test capacity of the UHP Series Pump.
6. After proper test time is achieved close the air control valve (A).
7. Close the water control valve (H).
8. Open the high pressure bleed valve (N) slowly.
9. Observe the gage, if the gage has returned to zero (0) PSI, now disconnect the component from the high pressure line.

**Note: The maximum water temperature you can test with is 145° Fahrenheit.**